

| | |
|---------------------------|--------|
| Dichlorodifluoromethane | 1086.0 |
| Dichlorotetrafluoroethane | 191.6 |

(k)

| | |
|---------------------------|--------------|
| <u>Aerosol IV</u> | <u>mg/ml</u> |
| Compound X | 2.5 |
| Soya lecithin | 2.7 |
| Trichlorofluoromethane | 67.5 |
| Dichlorodifluoromethane | 1086.0 |
| Dichlorotetrafluoroethane | 191.6 |

(l)

| | |
|-------------------------------|-------------|
| <u>Ointment</u> | <u>ml</u> |
| Compound X | 40 mg |
| Ethanol | 300 μ l |
| Water | 300 μ l |
| 1-Dodecylazacycloheptan-2-one | 50 μ l |
| Propylene glycol | to 1 ml |

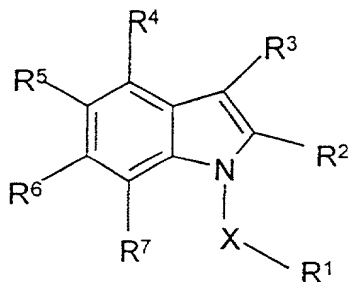
5 Note:

Compound X in the above formulation may comprise a compound illustrated in Examples. The above formulations may be obtained by conventional procedures well known in the pharmaceutical art. The tablets (a)-(c) may be enteric coated by conventional means, for example to provide a coating of cellulose acetate phthalate. The aerosol formulations (h)-(k)

10 may be used in conjunction with standard, metered dose aerosol dispensers, and the suspending agents sorbitan trioleate and soya lecithin may be replaced by an alternative suspending agent such as sorbitan monooleate, sorbitan sesquileate, polysorbate 80, polyglycerol oleate or oleic acid.

Claims

1. A compound of formula (I)

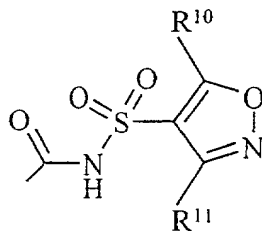


(I)

X is CH₂ or SO₂

10 R¹ is an optionally substituted aryl or heteroaryl ring;

R² is carboxy, cyano, -C(O)CH₂OH, -CONHR⁸, -SO₂NHR⁹, tetrazol-5-yl, SO₃H, or a group of formula (VI)



(VI)

15 where R⁸ is selected from hydrogen, alkyl, aryl, cyano, hydroxy, -SO₂R¹² where R¹² is alkyl, aryl, heteroaryl, or haloalkyl, or R⁸ is a group-(CHR¹³)_r-COOH where r is an integer of 1-3 and each R¹³ group is independently selected from hydrogen or alkyl; R⁹ is hydrogen, alkyl, optionally substituted aryl such as optionally substituted phenyl or optionally substituted heteroaryl such as 5 or 6 membered heteroaryl groups, or a group COR¹⁴ where R¹⁴ is alkyl, aryl, heteroaryl or haloalkyl; R¹⁰ and R¹¹ are independently selected from hydrogen or alkyl, particularly C₁₋₄ alkyl;

R³ is hydrogen, a functional group, optionally substituted alkyl, optionally substituted alkenyl, optionally substituted alkynyl, optionally substituted aryl, optionally substituted heterocyclyl,

optionally substituted alkoxy, optionally substituted aralkyl, optionally substituted aralkyloxy, optionally substituted cycloalkyl;

R⁴ is a group NHCOR¹⁵, NHSO₂R¹⁵ or OCONR¹⁶R¹⁷ where R¹⁵ is optionally substituted alkyl, optionally substituted aryl or optionally substituted heteroaryl and R¹⁶ and R¹⁷ are

5 independently selected from hydrogen, optionally substituted alkyl, optionally substituted aryl and optionally substituted heteroaryl, with the proviso that at least one of R¹⁶ or R¹⁷ is other than hydrogen, or R¹⁶ and R¹⁷ together with the nitrogen atom to which they are attached form an optionally substituted heterocyclic ring which optionally contains further heteroatoms; and

10 R⁵, R⁶ and R⁷ are independently selected from hydrogen, a functional group or an optionally substituted hydrocarbyl groups or optionally substituted heterocyclic groups; and further provided that when R⁴ is a group NHCOR¹⁵, R¹⁵ is substituted alkyl, optionally substituted aryl or optionally substituted heteroaryl.

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2. A compound according to claim 1 wherein a group R¹⁵, R¹⁶ and R¹⁷ as they appear in the definition of R⁴, is substituted by at least one functional group, or an aryl or heterocyclyl groups, either of which may themselves be substituted by one or more functional groups or further aryl or heterocyclyl groups.

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3. A compound according to any one of the preceding claims wherein R⁴ is a group NHCOR¹⁵ or NHSO₂R¹⁵ and R¹⁵ is a substituted alkyl group or an optionally substituted heterocyclyl or optionally substituted phenyl group.

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4. A compound according to claim 3 wherein R¹⁵ is alkyl substituted by a group of formula NR¹⁹R²⁰ where R¹⁹ and R²⁰ are independently selected from hydrogen or optionally substituted hydrocarbyl, or R¹⁹ and R²⁰ together form an optionally substituted ring which optionally contains further heteroatoms such as S(O)_m, oxygen and nitrogen, n is an integer of 1 or 2, m is 1 or 2.

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5. A compound according to any one of the preceding claims where R³ is carboxy.